VGN-T30B/T50B/T50PZ/T70B/T90PS/T90S
VGN-T130FP/T140/T140P/T150/T150P/T160P/T170P
VGN-T1XP
VGN-T15C/T16GP/T16LP/T16SP/T17C/T17GP/T17LP/T17TP

SERVICE MANUAL

Ver. 5 2004K

Revision History

Area	Model	Lineup	
Japanese	Japanese	VGN-T30B/L	3 [MA]
		VGN-T30B/T	3 [MA]
		VGN-T50B/L	
		VGN-T50B/T	
		VGN-T50PZ	1 [MA]
		VGN-T70B/L	
		VGN-T90PS*	
		VGN-T90S*	
American	US Canadian	VGN-T140/L	3 [MA]
		VGN-T140P/L	1 [MA]
		VGN-T150/L	1 [MA]
		VGN-T150P/L	1 [MA]
		VGN-T150P/T	1 [MA]
		VGN-T160P/L	1 [MA]
		VGN-T170P/L	1 [MA]
	Latin	VGN-T130FP/L	3 [MA]
European	AEP/UK	VGN-T1XP/L	1 [MA]
		VGN-T1XP/T	1 [MA]
Asian/Oceania/ South Africa	International	VGN-T16GP/S	3 [MA]
		VGN-T16LP/S	4 [MA]
		VGN-T16SP/S	2 [MA]
		VGN-T17GP/S	2 [MA]
		VGN-T17GP/T	2 [MA]
		VGN-T17LP/S	3 [MA]
		VGN-T17LP/T	3 [MA]
		VGN-T17TP/S	3 [MA]
		VGN-T17TP/T	3 [MA]
	Chinese	VGN-T15C/S	4 [MA]
		VGN-T15C/T	4 [MA]
		VGN-T17C/S	4 [MA]

* : CTO Model

9-876-390-05

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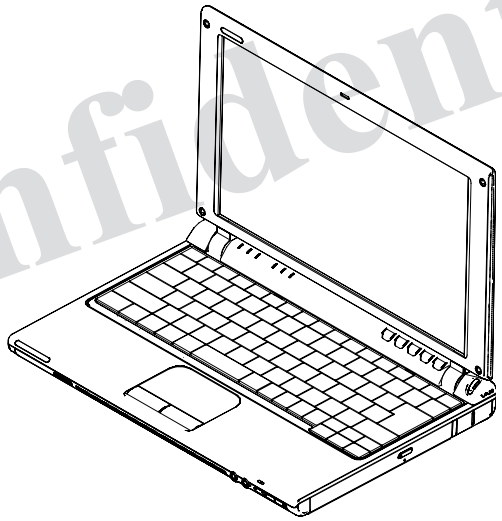

Wi Fi CERTIFIED

MEMORY STICK

i.LINK S400

VAIO

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PERSONAL COMPUTER

SONY

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All other names of systems, products and services in this manual are trademarks or registered trademarks of their respective owners. In this manual, the (TM) or (R) mark are not specified.

Caution Markings for Lithium/Ion Battery - The following or similar texts shall be provided on battery pack of equipment or in both the operating and the service instructions.

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

CAUTION: The battery pack used in this device may present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above 100°C (212°F) or incinerate. Dispose of used battery promptly. Keep away from children.

CAUTION: Changing the back up battery.

- Overcharging, short circuiting, reverse charging, multilati on or incineration of the cells must be avoided to prevent one or more of the following occurrences; release of toxic materials, release of hydrogen and/or oxygen gas, rise in surface temperature.
- If a cell has leaked or vented, it should be replaced immediately while avoiding to touch it without any protection.

CAUTION – CLASS 3B VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO THE BEAM.

Service and Inspection Precautions

1. Obey precautionary markings and instructions

Labels and stamps on the cabinet, chassis, and components identify are as requiring special precautions. Be sure to observe these precautions, as well as all precautions listed in the operating manual and other associated documents.

2. Use designated parts only

The set's components possess important safety characteristics, such as noncombustibility and the ability to tolerate large voltages. Be sure that replacement parts possess the same safety characteristics as the originals. Also remember that the ⚠ mark, which appears in circuit diagrams and parts lists, denotes components that have particularly important safety functions; be extra sure to use only the designated components.

3. Always follow the original design when mounting parts and routing wires

The original layout includes various safety features, such as inclusion of insulating materials (tubes and tape) and the mounting of parts above the printer board. In addition, internal wiring has been routed and clamped so as to keep it away from hot or high-voltage parts. When mounting parts or routing wires, therefore, be sure to duplicate the original layout.

4. Inspect after completing service

After servicing, inspect to make sure that all screws, components, and wiring have been returned to their original condition. Also check the area around the repair location to ensure that repair work has caused no damage, and confirm safety.

5. When replacing chip components...

Never reuse components. Also remember that the negative side of tantalum capacitors is easily damaged by heat.

6. When handling flexible print boards...

- The temperature of the soldering-iron tip should be about 270°C.
- Do not apply the tip more than three times to the same pattern.
- Handle patterns with care; never apply force.

Caution: Remember that hard disk drives are easily damaged by vibration. Always handle with care.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈSES SONY DONT LES NUMÉROS SONT DONNÉS DANSCE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.

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History of the changes is shown as the "Revision History" at the end of this data.

変更履歴は,“Revision History”として,本データ末に記載してあります。

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VGN-T30B/T50B/T50PZ/T70B/T90PS/T90S (J)
VGN-T130FP/T140/T140P/T150/T150P/T160P/T170P (AM)
VGN-T1XP (EU)
VGN-T15C/T16GP/T16LP/T16SP/T17C/T17GP/T17LP/T17TP (AO)

CHAPTER 1.
SPECIFICATIONS

1-1. Specifications

	J						J-CTO		AM		
	VGN-T70B/L	VGN-T50B/L	VGN-T50B/T	VGN-T50PZ	VGN-T30B/L	VGN-T30B/T	VGN-T90S*	VGN-T90PS*	VGN-T170P/L	VGN-T150P/L	VGN-T150P/T
CPU	ULV-PM/Do/733/1.10GHz	ULV-CeIM/Do/353/900MHz	ULV-CeIM/Do/353/900MHz	ULV-CeIM/Do/353/900MHz	ULV-CeIM/Do/353/900MHz	ULV-CeIM/Do/353/900MHz	ULV-PM/Do/733/1.10GHz or ULV-	ULV-PM/Do/733/1.10GHz or ULV-	ULV-PM/Do/733/1.10GHz	ULV-PM/Do/733/1.10GHz	ULV-PM/Do/733/1.10GHz
ChipSet	855GME	855GME	855GME	855GME	855GME	855GME	855GME	855GME	855GME	855GME	855GME
Graphic	855GME	855GME	855GME	855GME	855GME	855GME	855GME	855GME	855GME	855GME	855GME
LCD	10.6 WXGA(BR)	10.6 WXGA(BR)	10.6 WXGA(BR)	10.6 WXGA(BR)	10.6 WXGA(BR)	10.6 WXGA(BR)	10.6 WXGA(BR)	10.6 WXGA(BR)	10.6 WXGA(BR)	10.6 WXGA(BR)	10.6 WXGA(BR)
HDD	40GB/2.5/4200	40GB/2.5/4200	40GB/2.5/4200	40GB/2.5/4200	40GB/2.5/4200	40GB/2.5/4200	40GB/2.5/4200	40GB/2.5/4200	40GB/2.5/4200	40GB/2.5/4200	40GB/2.5/4200
MEMORY (DDR333 uDIMM)	256MB on board	256MB on board	256MB on board	256MB on board	256MB on board	256MB on board	512MB on board or 256MB on board	512MB on board or 256MB on board	512MB on board + 512MB uDIMM	512MB on board	512MB on board
OPT-DRIVE	DVD+-RW(x4)	DVD+-RW(x4)	DVD+-RW(x4)	Combo(x24)	Combo(x24)	Combo(x24)	DVD+-RW(x4) or Combo(x24)	DVD+-RW(x4) or Combo(x24)	DVD+-RW(x4)	DVD+-RW(x4)	DVD+-RW(x4)
int. Wireress LAN	b/g	b/g	b/g	b/g	b/g	b/g	b/g	b/g	b/g	b/g	b/g
AC adaptor	VGP-AC16V7	VGP-AC16V7	VGP-AC16V7	VGP-AC16V7	VGP-AC16V7	VGP-AC16V7	VGP-AC16V7	VGP-AC16V7	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8
Battery	VGP-BPS3	VGP-BPS3	VGP-BPS3	VGP-BPS3	VGP-BPS3	VGP-BPS3	VGP-BPS3	VGP-BPS3	VGP-BPS3	VGP-BPS3	VGP-BPS3
Bluetooth	×	×	×	×	×	×	×	×	○	○	○
OS	XP Home	XP Home	XP Home	XP Pro	XP Home	XP Home	XP Home	XP Pro	XP Pro	XP Pro	XP Pro
				⚠1 [MA]	⚠3 [MA]	⚠3 [MA]			⚠1 [MA]	⚠1 [MA]	⚠1 [MA]

	AM					EU		AO		
	VGN-T150/L	VGN-160P/L	VGN-T140P/L	VGN-T140/L	VGN-T130FP/L	VGN-T1XP/L	VGN-T1XP/T	VGN-T17GP/S	VGN-T17GP/T	VGN-T17LP/S
CPU	ULV-PM/Do/733/1.10GHz	ULV-PM/Do/733/1.10GHz	ULV-PM/Do/733/1.10GHz	ULV-PM/Do/733/1.10GHz	ULV-PM/Do/733/1.10GHz	ULV-PM/Do/733/1.10GHz	ULV-PM/Do/733/1.10GHz	ULV-PM/Do/733/1.10GHz	ULV-PM/Do/733/1.10GHz	ULV-PM/Do/733/1.10GHz
ChipSet	855GME	855GME	855GME	855GME	855GME	855GME	855GME	855GME	855GME	855GME
Graphic	855GME	855GME	855GME	855GME	855GME	855GME	855GME	855GME	855GME	855GME
LCD	10.6 WXGA(BR)	10.6 WXGA(BR)	10.6 WXGA(BR)	10.6 WXGA(BR)	10.6 WXGA(BR)	10.6 WXGA(BR)	10.6 WXGA(BR)	10.6 WXGA(BR)	10.6 WXGA(BR)	10.6 WXGA(BR)
HDD	40GB/2.5/4200	40GB/2.5/4200	40GB/2.5/4200	40GB/2.5/4200	40GB/2.5/4200	40GB/2.5/4200	40GB/2.5/4200	40GB/2.5/4200	40GB/2.5/4200	40GB/2.5/4200
MEMORY (DDR333 uDIMM)	512MB on board	512MB on board + 512MB uDIMM	512MB on board	512MB on board	512MB on board	512MB on board	512MB on board	512MB on board	512MB on board	512MB on board
OPT-DRIVE	DVD+-RW(x4)	Combo(x24)	Combo(x24)	Combo(x24)	Combo(x24)	DVD+-RW(x4)	DVD+-RW(x4)	DVD+-RW(x4)	DVD+-RW(x4)	DVD+-RW(x4)
int. Wireress LAN	b/g	b/g	b/g	b/g	b/g	b/g	b/g	b/g	b/g	b/g
AC adaptor	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8
Battery	VGP-BPS3	VGP-BPS3	VGP-BPS3	VGP-BPS3	VGP-BPS3	VGP-BPS3	VGP-BPS3	VGP-BPS3	VGP-BPS3	VGP-BPS3
Bluetooth	○	○	○	○	×	○	○	×	×	×
OS	XP Home	XP Pro	XP Pro	XP Home	XP Pro	XP Pro	XP Pro	XP Pro	XP Pro	XP Pro
	⚠1 [MA]	⚠1 [MA]	⚠1 [MA]	⚠3 [MA]	⚠3 [MA]	⚠1 [MA]	⚠1 [MA]	⚠2 [MA]	⚠2 [MA]	⚠3 [MA]

・The trademarks of registered trademarks of above table, refer to page 2.
・The model that is accompanied by asterisk (*) is the CTO model.
・本表中の商標・登録商標については，2ページをご参照ください。
・機種名に（*）がつくものはCTOモデルです。
組み合わせについてはCTO Informationをご確認ください。

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	AO									
	VGN-T17LP/T	**VGN-T17TP/S**	**VGN-T17TP/T**	VGN-T16GP/S	**VGN-T16SP/S**	**VGN-T16LP/S**	**VGN-T17C/S**	**VGN-T15C/S**	**VGN-T15C/T**
CPU	**ULV-PM/Do/733/1.10GHz**	**ULV-PM/Do/733/1.10GHz**	**ULV-PM/Do/733/1.10GHz**	ULV-PM/Do/733/1.10GHz	**ULV-PM/Do/733/1.10GHz**	**ULV-PM/Do/733/1.10GHz**	**ULV-PM/Do/733/1.10GHz**	**ULV-CeIM/Do/353/900MHz**	**ULV-CeIM/Do/353/900MHz**
ChipSet	**855GME**	**855GME**	**855GME**	855GME	**855GME**	**855GME**	**855GME**	**855GME**	**855GME**
Graphic	**855GME**	**855GME**	**855GME**	855GME	**855GME**	**855GME**	**855GME**	**855GME**	**855GME**
LCD	**10.6 WXGA(BR)**	**10.6 WXGA(BR)**	**10.6 WXGA(BR)**	10.6 WXGA(BR)	**10.6 WXGA(BR)**	**10.6 WXGA(BR)**	**10.6 WXGA(BR)**	**10.6 WXGA(BR)**	**10.6 WXGA(BR)**
HDD	**40GB/2.5/4200**	**40GB/2.5/4200**	**40GB/2.5/4200**	40GB/2.5/4200	**40GB/2.5/4200**	**40GB/2.5/4200**	**40GB/2.5/4200**	**40GB/2.5/4200**	**40GB/2.5/4200**
MEMORY (DDR333 uDIMM)	**512MB on board**	**512MB on board**	**512MB on board**	512MB on board	**512MB on board**	**512MB on board**	**512MB on board**	**256MB on board**	**256MB on board**
OPT-DRIVE	**DVD+-RW(x4)**	**DVD+-RW(x4)**	**DVD+-RW(x4)**	Combo(x24)	**Combo(x24)**	**Combo(x24)**	**Combo(x24)**	**Combo(x24)**	**Combo(x24)**
int. Wireress LAN	**b/g**	**b/g**	**b/g**	b/g	**b/g**	**b/g**	**b/g**	**b/g**	**b/g**
AC adaptor	**VGP-AC16V8**	**VGP-AC16V8**	**VGP-AC16V8**	VGP-AC16V8	**VGP-AC16V8**	**VGP-AC16V8**	**VGP-AC16V8**	**VGP-AC16V8**	**VGP-AC16V8**
Battery	**VGP-BPS3**	**VGP-BPS3**	**VGP-BPS3**	VGP-BPS3	**VGP-BPS3**	**VGP-BPS3**	**VGP-BPS3**	**VGP-BPS3**	**VGP-BPS3**
Bluetooth	×	×	×	×	×	×	○	○	○
OS	**XP Pro**	**XP Pro**	**XP Pro**	XP Pro	**XP Pro**	**XP Pro**	**XP Home**	**XP Home**	**XP Home**
	△3 [MA]	△3 [MA]	△3 [MA]	△3 [MA]	△2 [MA]	△4 [MA]	△4 [MA]	△4 [MA]	△4 [MA]

・The trademarks of registered trademarks of above table, refer to page 2.
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・本表中の商標・登録商標については，2ページをご参照ください。
・機種名に（*）がつくものはCTOモデルです。
組み合わせについてはCTO Informationをご確認ください。

1-2. CTO Information

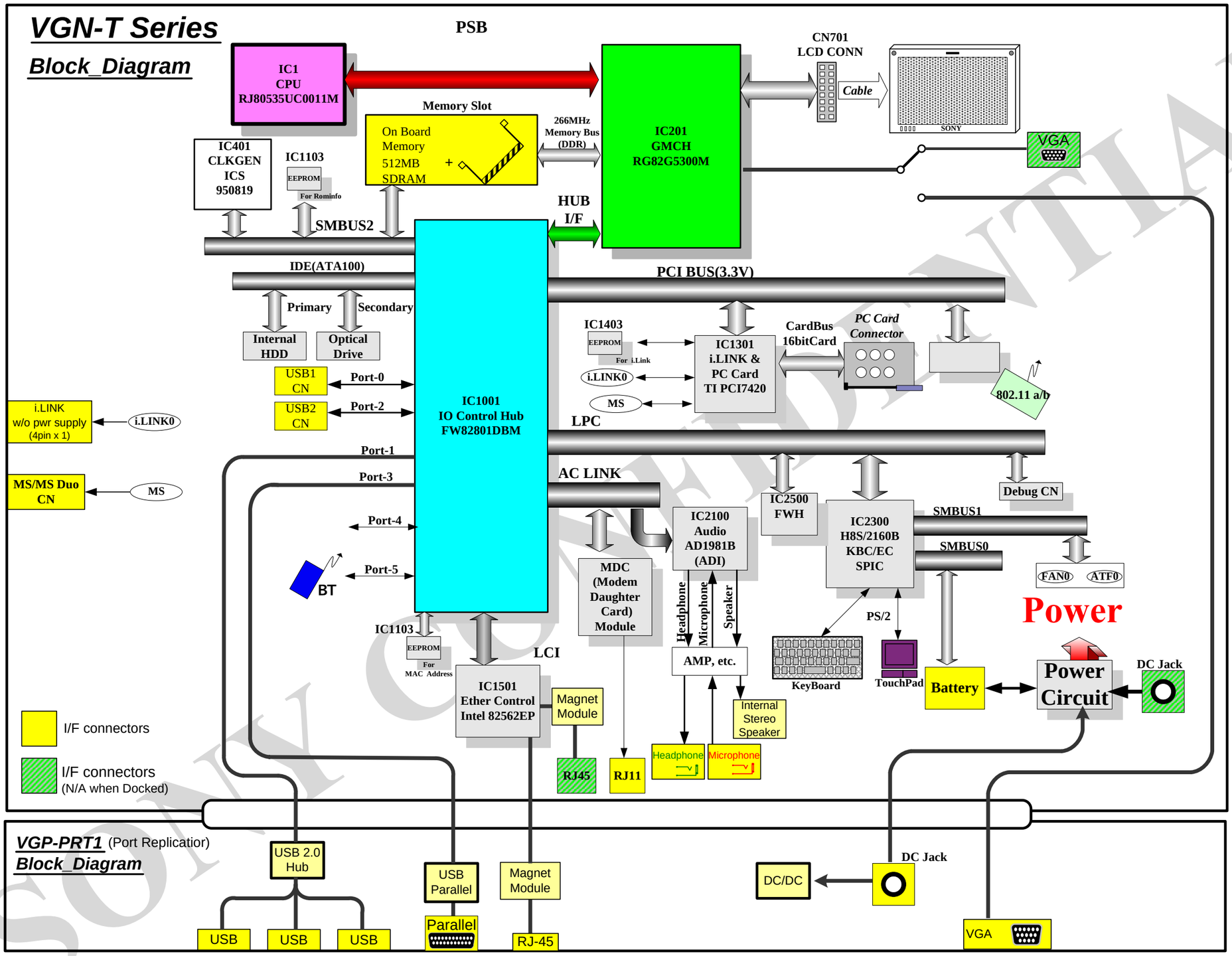
Model name:VGN-T90PS
Model number:PCG-4C1N
OS:WinXP Pro
Ver.1.0

CPU	PM/Do/733/1.10GHz	CeIM/Do/353/900MHz
HDD	**40GB** A-8130-165-A or A-1072-248-A HDD 40GB (TO1.8) ASSY (S) or HDD 40GB (HI1.8-21) ASSY (S)	
LCD	**10.6/WXGA/BR** A-8068-213-A LCD (UNIT) (10.6TFT WXGA) (S)	
Memory (Onboard)	512MB on board	256MB on board
Additional Memory (uDIMM slot)	512MBx1	None
Opt.Drive	**Combo(x24)** A-1090-050-A COMBO DRIVE (UJDA755S)(S)	**DVD+-RW(x4)** A-1090-049-A DVD+-RW (UJ-822S, 9.5MM) (S)
W-LAN	**802.11b/g(Intel)** 1-761-864-23 WIRELESS LAN CARD	
Battery	**Standard** A-1090-051-A BATTERY 9163 (J) (S)	
Office	2003 Professional	2003 Personal	None
Key Board	**English Key Board** 1-478-986-21 KEYBOARD UNIT (US)	**Japanese Key Board** 1-478-986-11 KEYBOARD UNIT (JP)
Color Variation	Midnight Blue	Burgundy Brown
Other Option	Privacy Filter (VGP-FL10)	None

Model name:VGN-T90S
Model number:PCG-4C1N
OS:WinXP Home
Ver.1.0

CPU	PM/Do/733/1.10GHz	CeIM/Do/353/900MHz
HDD	**40GB** A-8130-165-A or A-1072-248-A HDD 40GB (TO1.8) ASSY (S) or HDD 40GB (HI1.8-21) ASSY (S)	
LCD	**10.6/WXGA/BR** A-8068-213-A LCD (UNIT) (10.6TFT WXGA) (S)	
Memory (Onboard)	512MB on board	256MB on board
Additional Memory (uDIMM slot)	512MBx1	None
Opt.Drive	**Combo(x24)** A-1090-050-A COMBO DRIVE (UJDA755S)(S)	**DVD+-RW(x4)** A-1090-049-A DVD+-RW (UJ-822S, 9.5MM) (S)
W-LAN	**802.11b/g(Intel)** 1-761-864-23 WIRELESS LAN CARD	
Battery	**Standard** A-1090-051-A BATTERY 9163 (J) (S)	
Office	2003 Professional	2003 Personal	None
Key Board	**English Key Board** 1-478-986-21 KEYBOARD UNIT (US)	**Japanese Key Board** 1-478-986-11 KEYBOARD UNIT (JP)
Color Variation	Midnight Blue	Burgundy Brown
Other Option	Privacy Filter (VGP-FL10)	None

CHAPTER 2.
BLOCK DIAGRAM



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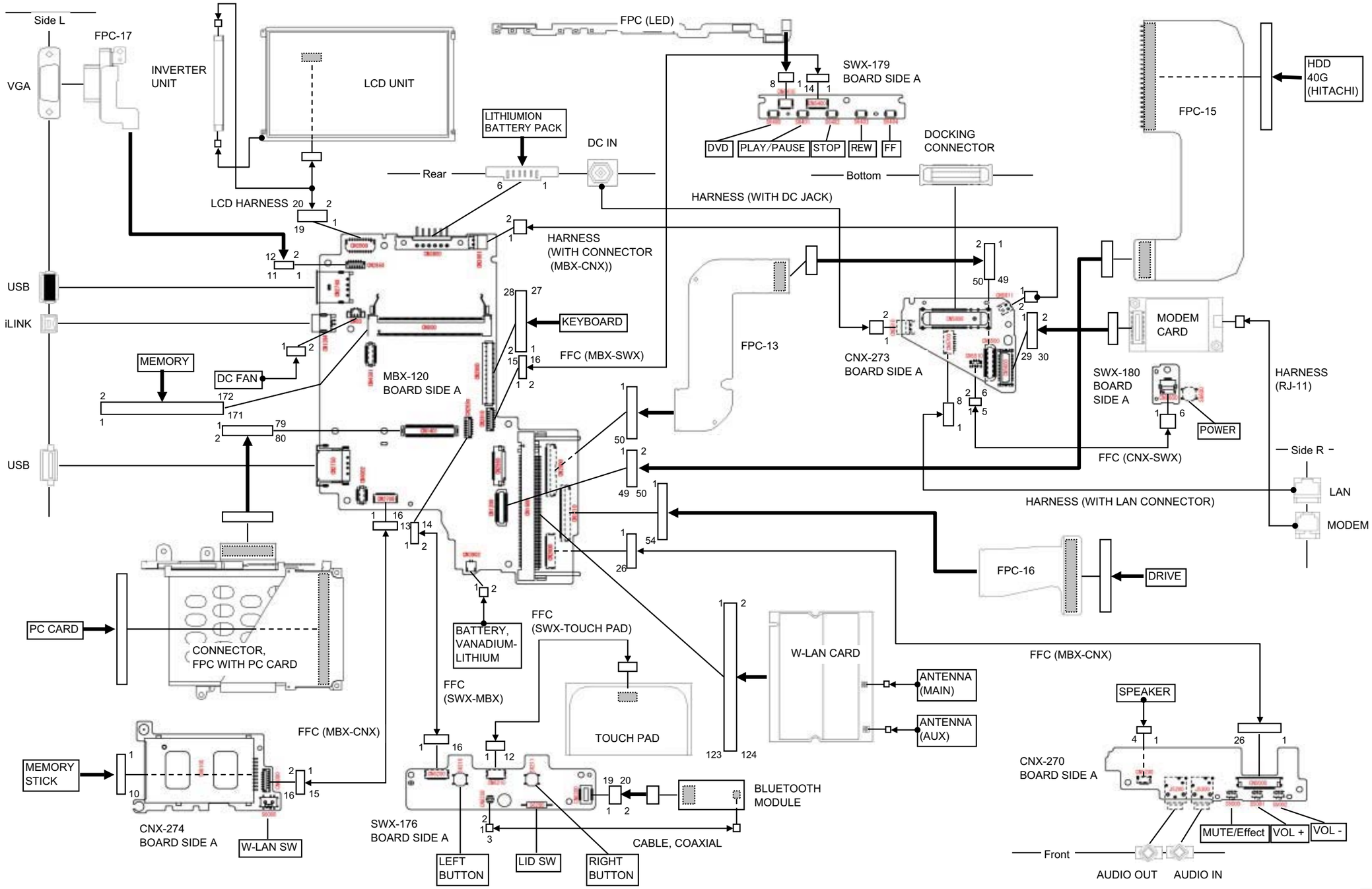
CHAPTER 3.
FRAME HARNESS DIAGRAM

– HDD HI –



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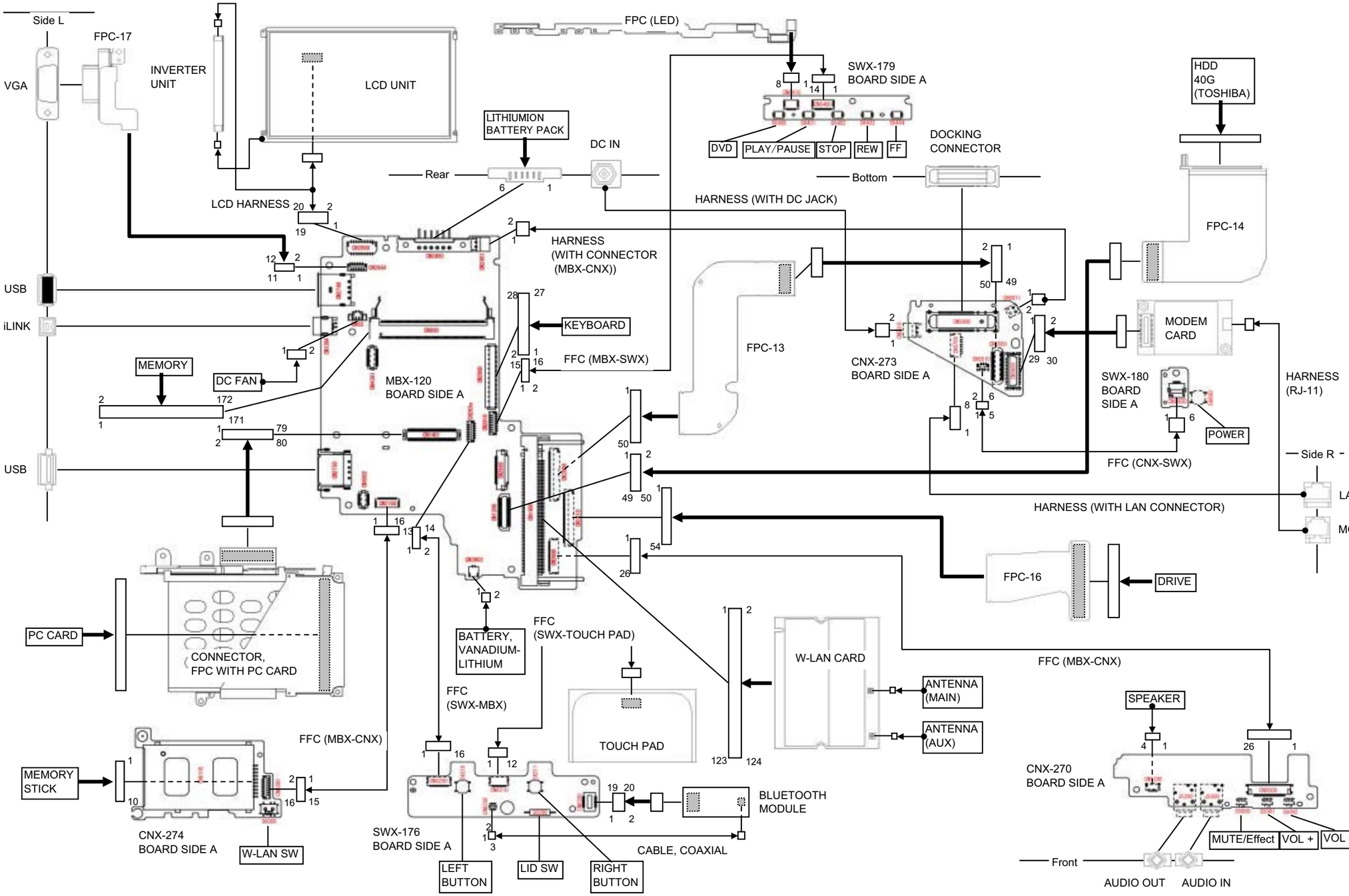
– HDD TO –



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VGN-T30B/T50B/T50PZ/T70B/T90PS/T90S (J)
VGN-T130FP/T140/T140P/T150/T150P/T160P/T170P (AM)
VGN-T1XP (EU)
VGN-T15C/T16GP/T16LP/T16SP/T17C/T17GP/T17LP/T17TP (AO)

CHAPTER 4.
EXPLODED VIEWS AND PARTS LIST

- The parts list is compiled by blocks of a palmrest and bottom etc. The sections of the parts list are different depending on the model. Please refer to list of contents shown in the below.

- 分解図と部品表は，パームレスト，ボトムなどのブロックごとに分かれています。機種によって部品表のセクションが異なりますので，詳細は右下の一覧表を参照してください。

Section — Page

Palmrest
P-1 4-2

Main Board
M-1 4-4

Bottom
B-1 4-6

LCD
L-1 4-8

Accessory
A-1 4-10

NOTE:

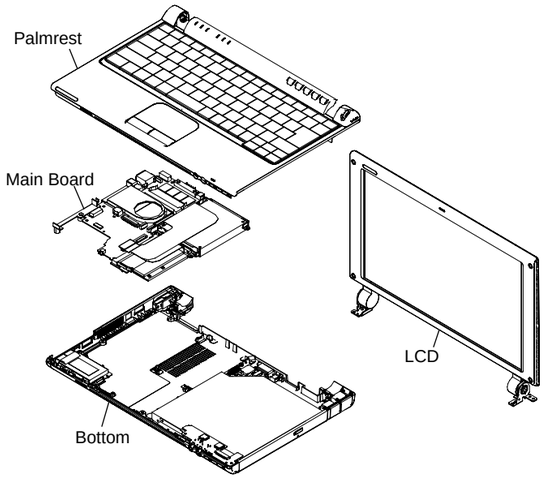
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- When two or more parts are shown, use the part described first as the main part.
- The parts marked " $ " are the High Value Modules (HVM).
- The parts marked " # " are the parts on which barcode label is attached. For the barcode label, refer to CHAPTER 5.
- The parts marked "&" are the "Customer Replacable Parts (CRP)" that can be replaced by Field Customer Support. Especially the parts with the <&> mark require the special attention to use them. Here fore, check first whether the desired part is one of the targetted parts of the Customer Replaceable Parts (CRP), or the non-targetted parts by referring to the exploded view.

【使用上の注意】

- *印の部品は常備在庫しておりません。
- 図面番号のない部品は供給しません。
- 併記部品の場合，上部記載部品をメイン部品として使用してください。
- 部品名称の前に$印のついた部品は，High Value Module（HVM）です。
- 商品名称の前に#印のついた部品は，バーコードラベル貼付部品です。
  バーコードラベルについてはCHAPTER 5を参照してください。
- 部品名称の前に&印のついた部品は，お客様窓口などでも交換可能なCustomer Replacable Part（CRP）です。
  特に<&>のついた部品は，使い分けが必要な部品ですので，分解図でCustomer Replacable Parts対象部品か，対象外部品かを必ず御確認ください。

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

⚠印の部品，または⚠印付きの点線で囲まれた部品は，安全性を維持するために重要な部品です。従って交換時は，必ず指定の部品を使用して下さい。



			Palmrest	Main Board	Bottom	LCD	Accessory
⚠1 [MA]	J	T70B/L	P-1	M-1	B-1	L-1	A-1
		T50B/L	P-1	M-1	B-1	L-1	A-1
		T50B/T	P-1	M-1	B-1	L-1	A-1
⚠1 [MA]		T50PZ	P-1	M-1	B-1	L-1	A-1
⚠3 [MA]		T30B/L	P-1	M-1	B-1	L-1	A-1
⚠3 [MA]		T30B/T	P-1	M-1	B-1	L-1	A-1
		T90S*	P-1	M-1	B-1	L-1	A-1
		T90PS*	P-1	M-1	B-1	L-1	A-1
⚠1 [MA]	AM	T170P/L	P-1	M-1	B-1	L-1	A-1
⚠1 [MA]		T150P/L	P-1	M-1	B-1	L-1	A-1
⚠1 [MA]		T150P/T	P-1	M-1	B-1	L-1	A-1
⚠1 [MA]		T150/L	P-1	M-1	B-1	L-1	A-1
⚠1 [MA]		T160P/L	P-1	M-1	B-1	L-1	A-1
⚠1 [MA]		T140P/L	P-1	M-1	B-1	L-1	A-1
⚠3 [MA]		T140/L	P-1	M-1	B-1	L-1	A-1
⚠3 [MA]		T130FP/L	P-1	M-1	B-1	L-1	A-1
⚠1 [MA]	EU	T1XP/L	P-1	M-1	B-1	L-1	A-1
⚠1 [MA]		T1XP/T	P-1	M-1	B-1	L-1	A-1
⚠2 [MA]	AO	T17GP/S	P-1	M-1	B-1	L-1	A-1
⚠2 [MA]		T17GP/T	P-1	M-1	B-1	L-1	A-1
⚠3 [MA]		T17LP/S	P-1	M-1	B-1	L-1	A-1
⚠3 [MA]		T17LP/T	P-1	M-1	B-1	L-1	A-1
⚠3 [MA]		T17TP/S	P-1	M-1	B-1	L-1	A-1
⚠3 [MA]		T17TP/T	P-1	M-1	B-1	L-1	A-1
⚠3 [MA]		T160GP/S	P-1	M-1	B-1	L-1	A-1
⚠2 [MA]		T16SP/S	P-1	M-1	B-1	L-1	A-1
⚠4 [MA]		T16LP/S	P-1	M-1	B-1	L-1	A-1
⚠4 [MA]		T17C/S	P-1	M-1	B-1	L-1	A-1
⚠4 [MA]		T15C/S	P-1	M-1	B-1	L-1	A-1
⚠4 [MA]		T15C/T	P-1	M-1	B-1	L-1	A-1

* : CTO model

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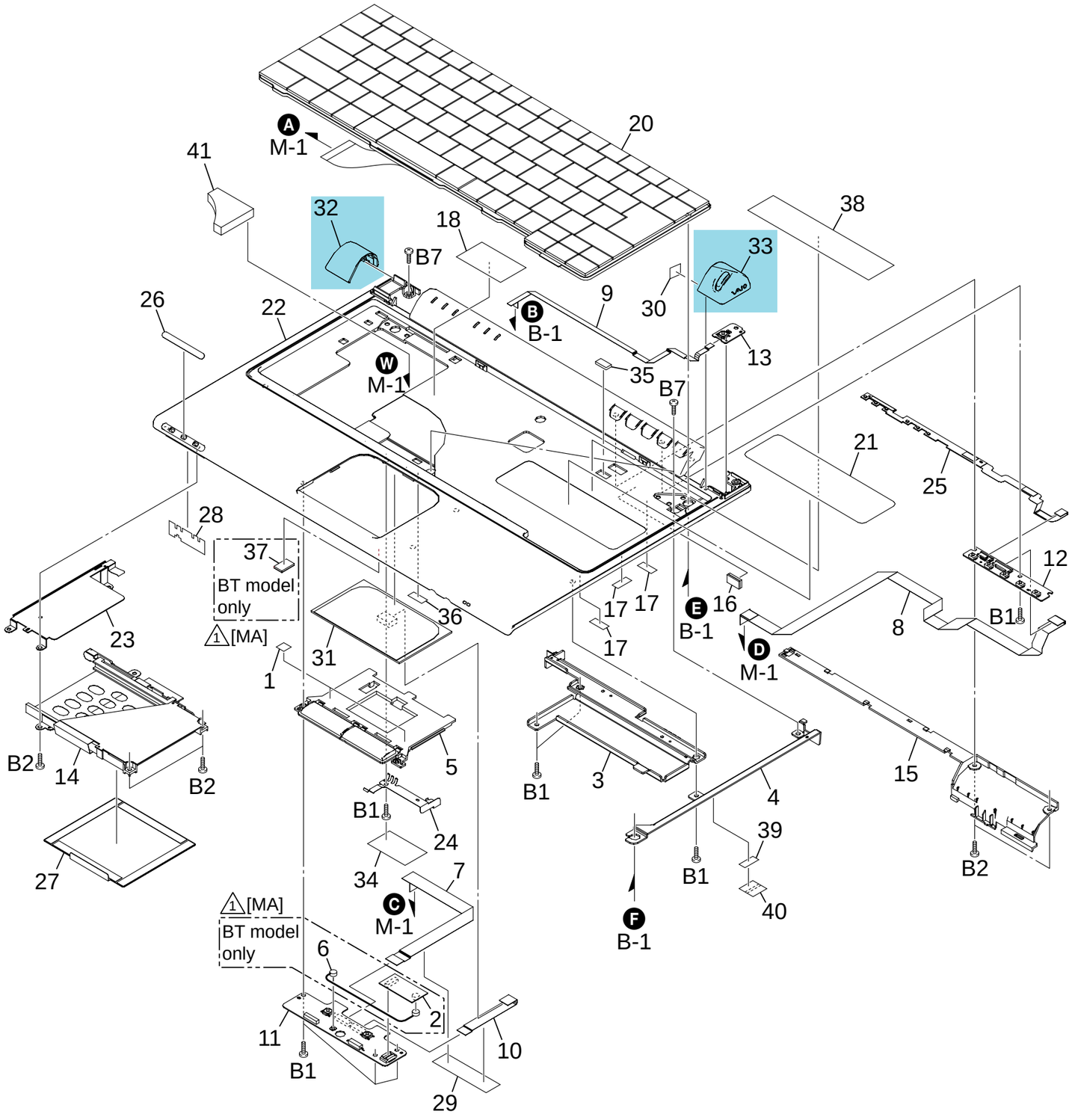
VGN-T30B/T50B/T50PZ/T70B/T90PS/T90S (J)
VGN-T130FP/T140/T140P/T150/T150P/T160P/T170P (AM)
VGN-T1XP (EU)
VGN-T15C/T16GP/T16LP/T16SP/T17C/T17GP/T17LP/T17TP (AO)

P-1. Palmrest



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P-1. Palmrest

Ref.No.	Part No.		Description
1	2-349-366-01		ADHESIVE TAPE(TP)
3	X-2022-970-1		BRACKET (PAC) ASSY
* 4	2-159-841-01		BRACKET (PAR)
5	X-2024-925-1		BUTTON TP ASSY
7	1-829-795-11		CABLE,FLEXIBLE FLAT (SWX176)
8	1-829-797-11		CABLE,FLEXIBLE FLAT (SWX179)
9	1-829-798-11		CABLE,FLEXIBLE FLAT (SWX180)
10	1-829-796-11		CABLE,FLEXIBLE FLAT (TP)
11	A-1090-038-A $		SWX-176 (S)
12	A-1090-039-A $		SWX-179 (S)
13	A-1090-040-A $		SWX-180 (S)
14	1-818-866-11		CONNECTOR, FPC WITH PC CARD
15	2-159-838-01		COVER (PALM)
16	2-187-193-01		CUSHION (OP)
17	2-349-529-01		CUSHION (PA)
18	2-546-040-01		SHEET (KEYBOARD)
21	2-187-191-01		LASER CAUTION LABEL
22	X-2022-968-1		PALMREST ASSY
* 23	2-159-840-01		PLATE (PCC), SHIELD
24	2-159-835-01		PLATE (TP), GROUND
25	1-864-361-11		PWB,FLEXIBLE (LED)
27	2-187-194-01		SHEET (PCC)
28	2-349-375-01		SHEET (WLAN PALM)
29	4-676-302-01		TAPE (COMMON)
30	2-546-036-01		GASKET (COVER HR)
31	1-796-958-21		TOUCH PAD
32	2-159-836-01	&	COVER (HL)
33	X-2022-969-1	&	COVER (HR) ASSY
34	4-658-789-02		TAPE (HARNESS)
35	2-546-041-01		CUSHION (POP UP)
36	2-546-039-01		SHEET (BKT PALM)
38	2-548-815-01		SHEET (KEYBOARD RIGHT)
39	2-548-771-01		SHEET BKT PALM R S
40	2-548-772-01		SHEET BKT PALM R B
41	2-349-364-01		CUSHION (KB)
B1	4-676-936-01		+SCREW,O2 +SPECIAL HEAD SELF S
B2	4-642-229-01		TAPPING (B 2X)
B7	4-672-834-31		SCREW, +B EG GRIP

	Ref.No.	Part No.		Description	J							AM							EU		AO												
					T70B/L	T50B/L	T50B/T	T50PZ	T30B/L	T30B/T	T90S*	T90PS*	T170P/L	T150P/L	T150P/T	T150/L	T160P/L	T140P/L	T140/L	T130FP/L	T1XP/L	T1XP/T	T17GP/S	T17GP/T	T17LP/S	T17LP/T	T17TP/S	T17TP/T	T16GP/S	T16SP/S	T16LP/S	T17C/S	T15C/S	T15C/T
⚠[MA]	2	1-805-554-11		BLUETOOTH MODULE									●	●	●	●	●	●			●	●												
③[MA]		1-805-554-21		BLUETOOTH MODULE															●													●	●	●
⚠[MA]	6	1-827-266-41		CABLE, COAXIAL (WITH U.F.L CON)									●	●	●	●	●	●	●		●	●										●	●	●
	20	1-478-986-11	#	KEYBOARD UNIT (JP)	●	●	●	●	●	●	●	●																						
		1-478-986-21	#	KEYBOARD UNIT (US)							●	●	●	●	●	●	●	●			●	●							●			●	●	●
③[MA]		1-478-986-31	#	KEYBOARD UNIT (KR)																					●	●				●				
②[MA]		1-478-986-41	#	KEYBOARD UNIT (TH)																											●			
③[MA]		1-478-986-51	#	KEYBOARD UNIT (TW)																							●	●						
⚠[MA]		1-478-986-61	#	(Portugal)...KEYBOARD UNIT (PT)																	●	●												
⚠[MA]		1-478-988-11	#	(UK,Dutch)...KEYBOARD UNIT (GB)																	●	●												
⚠[MA]		1-478-988-21	#	(German)...KEYBOARD UNIT (DE)																	●	●												
⚠[MA]		1-478-988-31	#	(Swiss)...KEYBOARD UNIT (CH)																	●	●												
⚠[MA]		1-478-988-41	#	(French)...KEYBOARD UNIT (FR)																	●	●												
⚠[MA]		1-478-988-51	#	(Italian)...KEYBOARD UNIT (IT)																	●	●												
⚠[MA]		1-478-988-61	#	(Spanish)...KEYBOARD UNIT (ES)																	●	●												
③[MA]		1-478-988-71	#	KEYBOARD UNIT (LA)																●														
⚠[MA]	26	2-159-839-01	&	SHEET (LED)									●	●	●	●	●	●	●		●	●										●	●	●
		2-159-839-11	&	SHEET (LED)	●	●	●	●	●	●	●	●								●			●	●	●	●	●	●	●	●	●			
⚠[MA]	37	2-187-192-01		CUSHION (BTM)									●	●	●	●	●	●	●		●	●										●	●	●
								⚠[MA]	③[MA]	③[MA]			⚠[MA]	⚠[MA]	⚠[MA]	⚠[MA]	⚠[MA]	⚠[MA]	⚠[MA]	③[MA]	⚠[MA]	⚠[MA]	②[MA]	②[MA]	③[MA]	③[MA]	③[MA]	③[MA]	③[MA]	②[MA]	④[MA]	④[MA]	④[MA]	④[MA]

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  The first type is the parts that are common to all models.
  The other type is the parts that are different depending on each model.
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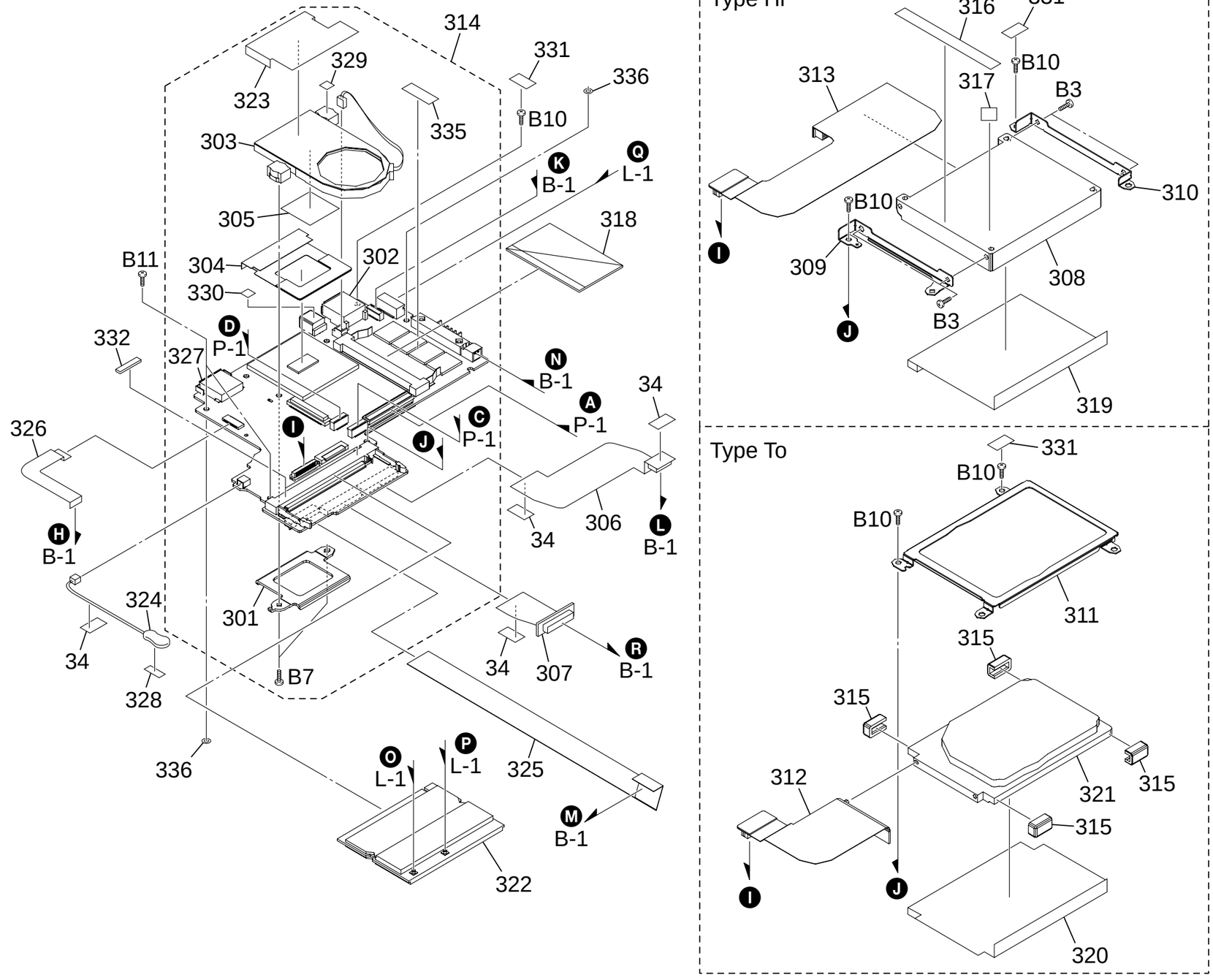
M-1.Main Board



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M-1.Main Board

Ref.No.	Part No.			Description
34	4-658-789-02			TAPE (HARNESS)
301	2-159-880-01			BRACKET (CPU)
302	1-794-548-21			CONNECTOR, USB(A)
303	1-787-245-11			FAN,DC
304	2-187-200-01			SHEET (CPU)
305	4-673-367-02			THERMAL SHEET(CPU)
306	A-1090-044-A			COMPLETE FPC FPC-13 (S)
307	A-1090-047-A			COMPLETE FPC FPC-16 (S)
308	A-1072-248-A	$	#	HDD 40GB (HI1.8-21) ASSY (S)
* 309	2-159-885-01			BRACKET (HDDHIF)
* 310	2-159-886-01			BRACKET (HDDHIR)
* 311	2-159-887-01		#	BRACKET (HDDTO)
312	A-1090-045-A			COMPLETE FPC FPC-14 (S)
313	A-1090-046-A			COMPLETE FPC FPC-15 (S)
315	2-159-884-01			CUSHION (HDD)
316	2-514-299-01			CUSHION (HDDHI F)
317	2-349-373-01			CUSHION (HDDHI)
319	2-349-372-01			SHEET (HDDHI)
320	2-349-371-01			SHEET (HDDTO)
321	A-8130-165-A	$	#	HDD 40GB (TO1.8) ASSY (S)
323	2-187-198-01			COVER (FIN)
324	1-756-424-11			BATTERY, VANADIUM-LITHIUM
325	1-864-336-11			PWB,FLEXIBLE
326	1-864-471-11			PWB,FLEXIBLE
327	1-818-784-11			CONNECTOR
328	4-673-302-01			ADHESIVE TAPE(RJ)
329	2-547-909-01			SHEET 5X5
330	2-547-908-01			SHEET 4.5X4.5
331	2-514-300-01			CUSHION (SCREW)
332	2-514-301-01			CUSHION (WLAN SLOT)
335	2-547-546-01			CAUTION LABEL MEMORY L
336	2-187-373-01			SPACER (FAN)
B3	4-679-325-01			PS SCREW M2.5
B7	4-672-834-31			SCREW, +B EG GRIP
B10	4-672-834-51			SCREW, +B EG GRIP
B11	4-672-834-91			SCREW, +B EG GRIP

	Ref.No.	Part No.			Description	J							AM								EU		AO											
						T70B/L	T50B/L	T50B/T	T50PZ	T30B/L	T30B/T	T90S*	T90PS*	T170P/L	T150P/L	T150P/T	T150/L	T160P/L	T140P/L	T140/L	T130FP/L	T1XP/L	T1XP/T	T17GP/S	T17GP/T	T17LP/S	T17LP/T	T17TP/S	T17TP/T	T16GP/S	T16SP/S	T16LP/S	T17C/S	T15C/S	T15C/T
	314	A-1090-035-A	$	#	MBX-120 (C9_256) (S)		●	●	●	●	●	●	●																				●	●
		A-1090-037-A	$	#	MBX-120 (C9_512) (S)							●	●																						
		A-1090-034-A	$	#	MBX-120 (P11_256) (S)	●						●	●																						
		A-1090-036-A	$	#	MBX-120 (P11_512) (S)							●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	318	6-706-313-01			IC M463L6523BN0-CB3							●	●	●				●																	
⚠[MA]	322	1-761-864-14		#	WIRELESS LAN CARD									●	●	●	●	●	●	●	●							●	●						
		1-761-864-23		#	WIRELESS LAN CARD	●	●	●	●	●	●	●	●																						
⚠[MA]		1-761-864-33		#	WIRELESS LAN CARD																	●	●	●	●	●	●			●	●	●	●	●	●
									⚠1 [MA]	⚠3 [MA]	⚠3 [MA]			⚠1 [MA]	⚠1 [MA]	⚠1 [MA]	⚠1 [MA]	⚠1 [MA]	⚠3 [MA]	⚠3 [MA]	⚠3 [MA]	⚠1 [MA]	⚠1 [MA]	⚠2 [MA]	⚠2 [MA]	⚠3 [MA]	⚠3 [MA]	⚠3 [MA]	⚠3 [MA]	⚠3 [MA]	⚠2 [MA]	⚠4 [MA]	⚠4 [MA]	⚠4 [MA]	⚠4 [MA]

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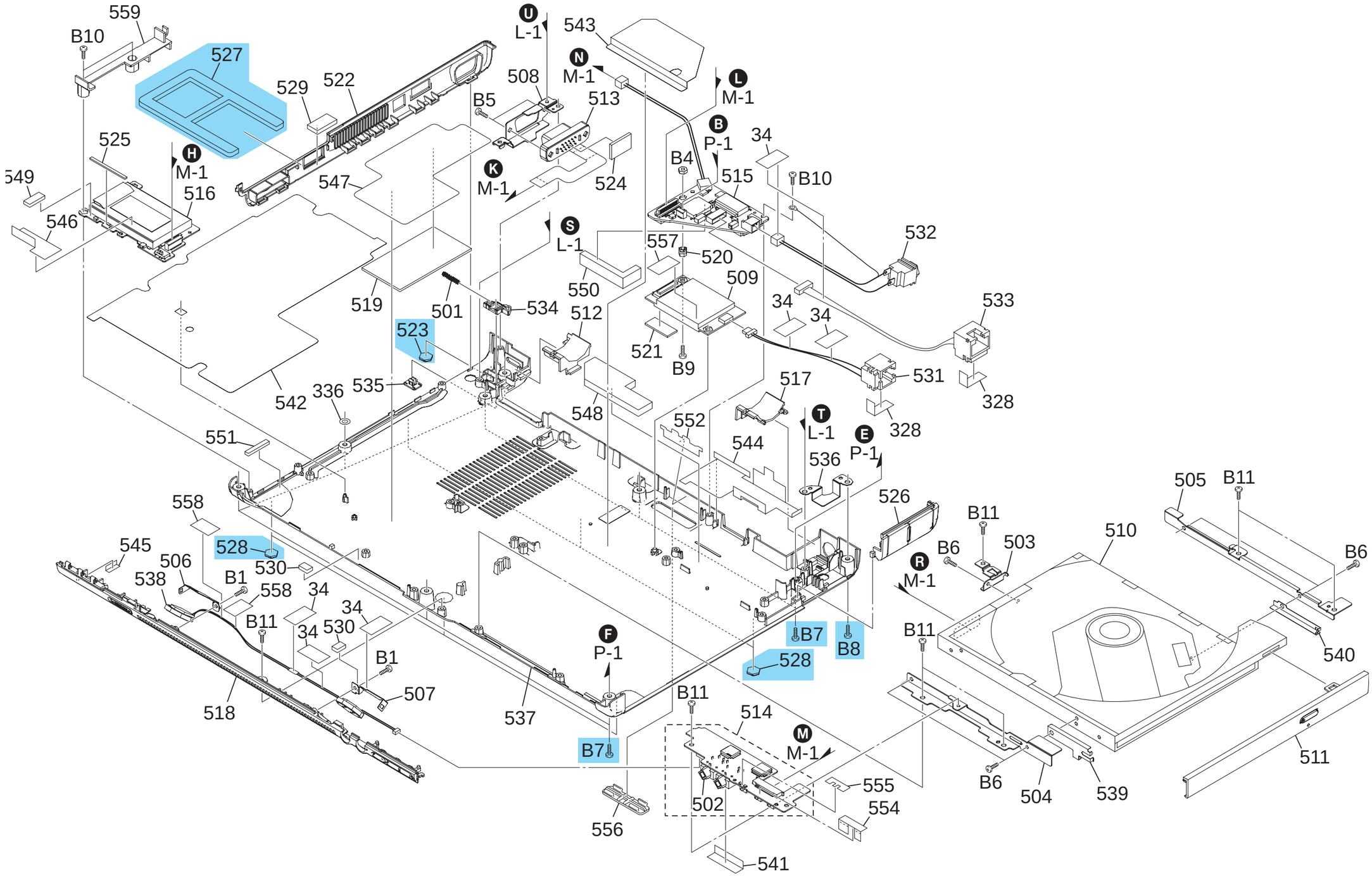
B-1. Bottom



Confidential

B-1. Bottom

Ref.No.	Part No.		Description
34	4-658-789-02		TAPE (HARNESS)
328	4-673-302-01		ADHESIVE TAPE(RJ)
336	2-187-373-01		SPACER (FAN)
501	4-672-723-0		SPRING COMPRESSION COIL (A)
502	1-816-583-21		JACK, SMALL TYPE
503	2-348-452-01		BRACKET (OPC)
504	2-159-888-01		BRACKET (OPL)
505	2-159-889-01		BRACKET (OPR)
506	2-159-893-01		BRACKET (SPL)
507	2-159-894-01		BRACKET (SPR)
508	2-159-881-01		BRACKET (VGA)
509	1-761-606-14	#	CARD, MODEM
513	A-1090-048-A		COMPLETE FPC FPC-17 (S)
514	A-1090-041-A	$	CNX-270 (S)
515	A-1090-042-A	$	CNX-273 (S)
516	A-1090-043-A	$	CNX-274 (S)
519	2-190-700-01		CUSHION (GMCH)
520	2-159-865-01		STAND
521	2-190-639-01		CUSHION (MDC)
523	4-670-189-11	&	CUSHION (UP)
524	2-190-638-01		CUSHION (VGA)
525	2-349-374-01		CUSHION (WLAN LED)
527	4-643-832-61	&	DUMMY CARD
528	2-177-286-01	&	FOOT
529	4-680-444-01		GASKET (HDD)
530	2-187-197-01		GASKET (SP)
531	1-962-037-21		HARNESS (RJ11)
532	1-963-317-11		HARNESS WITH DC JACK 2P
533	1-963-259-31		HARNESS,CONNECTOR WITH
534	2-159-879-01		HOOK (BT)
535	2-159-866-01		KNOB (BT)
536	2-177-444-01		PLATE (PR), GROUND
549	1-825-972-11		SPEAKER UNIT
539	4-677-216-02		RAIL (OPT) (L)
540	4-677-215-01		RAIL (OPT) (R)
541	2-349-989-01		SHEET (AUDIO)
542	2-187-199-01		SHEET (BT)
543	2-159-863-01		SHEET (MDC)
544	2-187-201-01		SHEET (UA)
545	2-349-376-01		SHEET (WLAN LENS)
546	2-349-378-01		SHEET (WLAN MS)
547	2-190-699-01		SHEET GS
548	2-187-202-01		SPACER (OP)
550	2-548-777-01		CUSHION (PT)
551	2-514-961-01		GASKET (MS)
552	2-547-841-01		SHEET (P)
554	2-548-691-01		TAPE (AUDIO)
555	2-349-365-01		CUSHION (SE)
557	-		KAPTON TAPE (20X30)
558	-		KAPTON TAPE (10X20)
559	2-159-861-01		COVER (PCC)
B1	4-676-936-01		+SCREW,O2 +SPECIAL HEAD SELF S
B4	4-673-751-01		NUT (M2) (TYPE2)
B5	4-674-716-01		SCREW (NO.4-40) (UNC)
B6	4-671-538-01		SCREW(M2X4), SPECIAL HEAD
B7	4-672-834-31	&	SCREW, +B EG GRIP
B8	4-672-834-41	&	SCREW, +B EG GRIP
B9	4-672-834-81		SCREW, +B EG GRIP
B10	4-672-834-51		SCREW, +B EG GRIP
B11	4-672-834-91		SCREW, +B EG GRIP

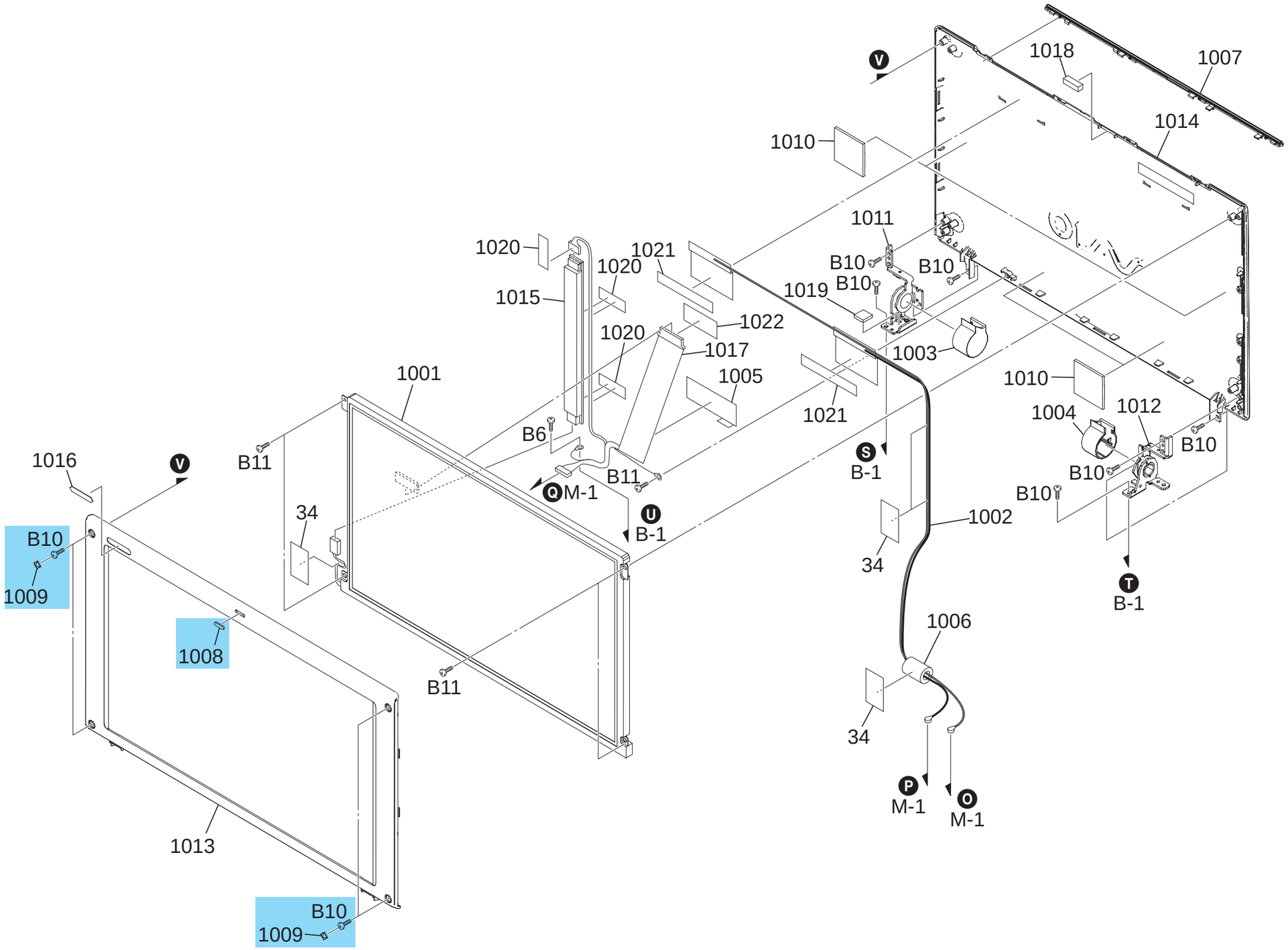
	Ref.No.	Part No.		Description	J							AM							EU		AO											
					T70B/L	T50B/L	T50B/T	T50PZ	T30B/L	T30B/T	T90S*	T90PS*	T170P/L	T150P/L	T150P/T	T150/L	T160P/L	T140P/L	T140/L	T130FP/L	T1XP/L	T1XP/T	T17GP/S	T17GP/T	T17LP/S	T17LP/T	T17TP/S	T17TP/T	T16GP/S	T16SP/S	T16LP/S	T17C/S	T15C/S	T15C/T
	510	A-1090-050-A	$	#	COMBO DRIVE (UJDA755S)(S)			●	●	●	●	●				●	●	●	●									●	●	●	●	●	●
		A-1090-049-A	$	#	DVD+-RW (UJ-822S, 9.5MM) (S)	●	●	●			●	●	●	●	●	●					●	●	●	●	●	●	●	●						
	511	X-2022-971-1			BEZEL (D) (L) ASSY, OPT	●	●				●	●	●	●		●					●													
⚠2 [MA]		X-2023-619-1			BEZEL (D) (S) ASSY, OPT																		●		●		●						
		X-2023-620-1			BEZEL (D) (T) ASSY, OPT			●			●	●			●						●		●		●		●						
		X-2023-621-1			BEZEL (C) (L) ASSY, OPT			●	●		●	●					●	●	●	●													
⚠2 [MA]		X-2023-622-1			BEZEL (C) (S) ASSY, OPT																								●	●	●	●	●	
		X-2023-623-1			BEZEL (C) (T) ASSY, OPT					●	●	●																					●
	512	2-159-860-01			COVER (L)	●	●		●	●		●	●	●		●	●	●	●	●	●												
⚠2 [MA]		2-159-860-11			COVER (L)																		●		●		●						
		2-159-860-21			COVER (L)			●			●	●			●						●		●		●		●						
	517	2-159-862-01			COVER (R)	●	●		●	●		●	●	●		●	●	●	●	●	●												
⚠2 [MA]		2-159-862-11			COVER (R)																		●		●		●						
		2-159-862-21			COVER (R)			●			●	●			●						●		●		●		●						
	518	X-2022-972-1			ESCUTCHEON (FR) (L) ASSY	●	●		●	●		●	●	●		●	●	●	●	●	●												
		X-2023-625-1			ESCUTCHEON (FR) (T) ASSY			●			●	●										●		●		●		●						
⚠2 [MA]		X-2023-624-1			ESCUTCHEON (FR) (S) ASSY																		●		●		●		●	●	●	●	●
	522	2-159-858-01			ESCUTCHEON (L)	●	●		●	●		●	●	●		●	●	●	●	●	●												
⚠2 [MA]		2-159-858-11			ESCUTCHEON (L)																		●		●		●						
		2-159-858-21			ESCUTCHEON (L)			●			●	●			●						●		●		●		●						
	526	X-2023-099-1			ESCUTCHEON (R) (L) ASSY	●	●		●	●		●	●	●		●	●	●	●	●	●												
		X-2023-618-1			ESCUTCHEON (R) (T) ASSY			●			●	●			●						●		●		●		●						
⚠2 [MA]		X-2023-617-1			ESCUTCHEON (R) (S) ASSY																		●		●		●		●	●	●	●	●
	537	2-159-878-01			HOUSING (BOTTOM) (K1)	●	●		●	●		●	●	●		●	●	●	●	●	●												
⚠2 [MA]		2-159-878-11			HOUSING (BOTTOM) (K1)																		●		●		●						
		2-159-878-21			HOUSING (BOTTOM) (K1)			●			●	●			●						●		●		●		●						
	556	2-514-604-01			CAP (PR)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●												
⚠2 [MA]		2-514-604-11			CAP (PR)																		●		●		●		●	●	●	●	●
								⚠1 [MA]	⚠3 [MA]	⚠3 [MA]			⚠1 [MA]	⚠1 [MA]	⚠1 [MA]	⚠1 [MA]	⚠1 [MA]	⚠1 [MA]	⚠3 [MA]	⚠3 [MA]	⚠1 [MA]	⚠1 [MA]	⚠2 [MA]	⚠2 [MA]	⚠3 [MA]	⚠3 [MA]	⚠3 [MA]	⚠3 [MA]	⚠3 [MA]	⚠3 [MA]	⚠4 [MA]	⚠4 [MA]	⚠4 [MA]	⚠4 [MA]

- This parts list contains two different types of parts.
  The first type is the parts that are common to all models.
  The other type is the parts that are different depending on each model.

- この部品表は，機種共通の部品と，機種によって使い分けが必要な部品に分かれています。

Confidential

L-1. LCD



Confidential

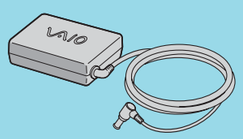
L-1. LCD

Ref.No.	Part No.		Description
34	4-658-789-02		TAPE (HARNESS)
1001	A-8068-213-A	$ #	LCD (UNIT) (10.6TFT WXGA) (S)
1002	1-754-353-51		ANTENNA,FILM
1003	2-159-824-01		CAP (L)
1004	2-159-825-01		CAP (R)
1005	2-348-101-01		COPPER TAPE (LCD)
1006	1-500-847-11		CORE,FERRITE
1008	4-670-190-11	&	CUSHION (SIDE)
1009	2-178-223-01	&	CUSHION BZ
1010	2-188-040-01		CUSHION LCD
1011	2-159-830-01		HINGE (L)
1012	2-159-831-01		HINGE (R)
1013	2-159-829-01		HOUSING (BEZEL)
1015	1-478-924-21		INVERTER UNIT
1017	1-963-100-11		LCD HARNESS
1018	2-159-832-01		MAGNET
1019	2-349-775-01		CUSHION (HINGE L)
1020	-		KAPTON TAPE (10X40)
1021	-		FILAMENT TAPE (12X55)
1022	-		FILAMENT TAPE (9X20)
B6	4-671-538-01		SCREW(M2X4), SPECIAL HEAD
B10	4-672-834-51	<&>	SCREW, +B EG GRIP
B11	4-672-834-91		SCREW, +B EG GRIP

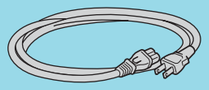
| | Ref.No. | Part No. | Description | J | | | | | | | AM | | | | | | | EU | | AO | | | | | | |

A-1. Accessories

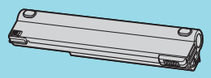
2001
AC Adaptor



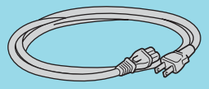
[4] [MA]
→ **2006**
Power Cord



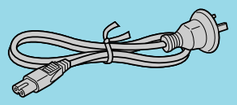
2002
Battery



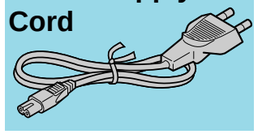
2007
Power Cord



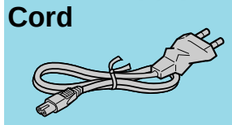
[2] [MA]
→ **2003**
Power Cord



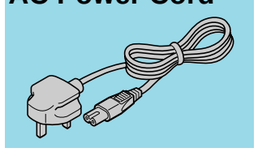
[3] [MA]
→ **2008**
Power-supply Cord



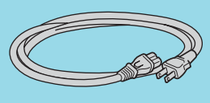
[1] [MA]
→ **2004**
Power-Supply Cord



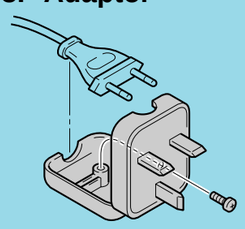
[2] [MA]
→ **2009**
AC Power Cord



[1] [MA]
→ **2005**
Power Cord



[1] [MA]
→ **2010**
Conversion Plug 3P Adaptor



	Ref.No.	Part No.			Description	J							AM							EU		AO											
						T70B/L	T50B/L	T50B/T	T50PZ	T30B/L	T30B/T	T90S*	T90PS*	T170P/L	T150P/L	T150P/T	T150/L	T160P/L	T140P/L	T140/L	T130FP/L	T1XP/L	T1XP/T	T17GP/S	T17GP/T	T17LP/S	T17LP/T	T17TP/S	T17TP/T	T16GP/S	T16SP/S	T16LP/S	T17C/S	T15C/S	T15C/T
	⚠ 2001	1-478-583-21	$	&	AC ADAPTOR	●	●	●	●	●	●	●	●																						
⚠[MA]	⚠	1-478-860-21	$	&	ADAPTOR,AC									●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	⚠ 2002	A-1090-051-A	$	&	BATTERY 9163 (J) (S)	●	●	●	●	●	●	●	●																						
⚠[MA]	⚠	A-1090-052-A	$	&	BATTERY 9163 (U) (S)									●	●	●	●	●	●	●															
⚠[MA]	⚠	A-1090-053-A	$	&	BATTERY 9163 (S)																●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
2[MA]	⚠ 2003	1-555-074-32		&	CORD, POWER																			●	●					●					
⚠[MA]	⚠ 2004	1-827-481-21		&	POWER-SUPPLY CORD																	●	●								●				
⚠[MA]	⚠ 2005	1-829-237-21		&	CORD, POWER									●	●	●	●	●	●	●								●	●						
4[MA]	⚠ 2006	1-782-476-22		&	CORD, POWER																											●	●	●
	⚠ 2007	1-790-732-32		&	CORD, POWER	●	●	●	●	●	●	●	●																						
3[MA]	⚠ 2008	1-823-947-32		&	POWER-SUPPLY CORD																					●	●				●				
2[MA]	⚠ 2009	1-823-935-51		&	CORD, AC POWER																			●	●					●					
⚠[MA]	2010	1-770-019-51		&	(UK)...ADAPTOR, CONVERSION PLUG																	●	●												
⚠[MA]	-	1-816-429-12		&	(UK)...PHONE PLUG (GB)																	●	●												
	-	2-318-155-01		&	MANUAL (XP), INSTRUCTION	●	●	●		●	●	●	●																						
⚠[MA]	-	2-318-166-01		&	MANUAL (XP), INSTRUCTION				●																										
⚠[MA]	-	2-320-945-11			(UK,Dutch,Swiss)...HW SPEC, PRO																	●	●												
⚠[MA]	-	2-320-945-21			(German,Swiss)...HW SPEC, PRO																	●	●												
⚠[MA]	-	2-320-945-31			(Belgium,Swiss,French)...HW SPEC, PRO																	●	●												
⚠[MA]	-	2-320-945-41			(Italian)...HW SPEC, PRO																	●	●												
⚠[MA]	-	2-320-945-51			(Spanish)...HW SPEC, PRO																	●	●												
⚠[MA]	-	2-320-945-61			(Dutch,Belgium)...HW SPEC, PRO																	●	●												
⚠[MA]	-	2-320-945-71			(Portugal)...HW SPEC, PRO																	●	●												
2[MA]	-	2-320-672-11			SPEC SHEET																			●	●					●	●				
3[MA]	-	2-320-672-21			SPEC SHEET																					●	●					●			
3[MA]	-	2-320-672-41			SPEC SHEET																							●	●						
4[MA]	-	2-320-673-31			SPEC SHEET																											●	●	●
									[1] [MA]	[3] [MA]	[3] [MA]			[1] [MA]	[1] [MA]	[1] [MA]	[1] [MA]	[1] [MA]	[1] [MA]	[3] [MA]	[3] [MA]		[1] [MA]	[1] [MA]	[2] [MA]	[3] [MA]	[3] [MA]	[3] [MA]	[3] [MA]	[3] [MA]	[2] [MA]	[3] [MA]	[4] [MA]	[4] [MA]	[4] [MA]

- This parts list contains two different types of parts.
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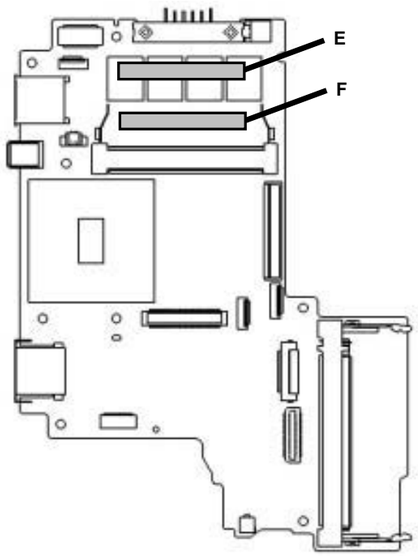
- この部品表は，機種共通の部品と，機種によって使い分けが必要な部品に分かれています。

Confidential

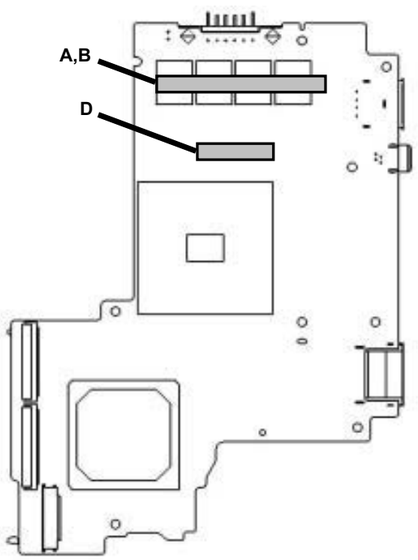
5-1. The Barcode Label

The hatched portion of the barcode is used as the repair data.
バーコードラベルの網掛け部は，修理データとして使用いたします。

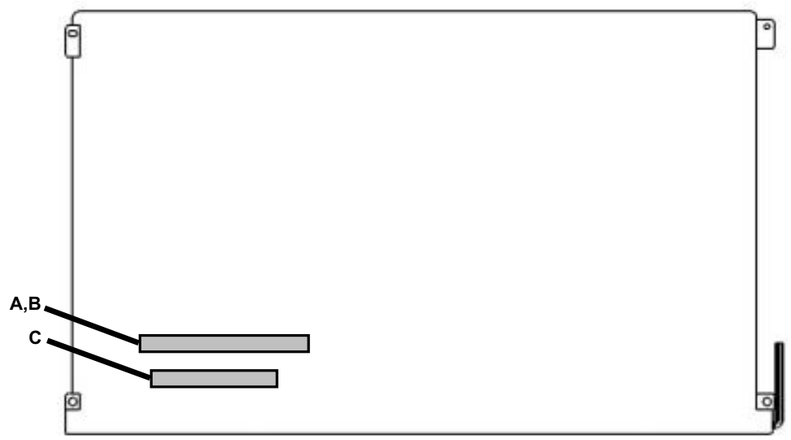
[MBX-120 Board]
(Side A)



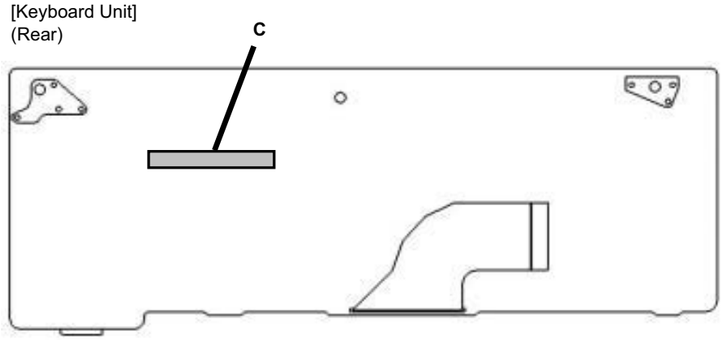
[MBX-120 Board]
(Side B)



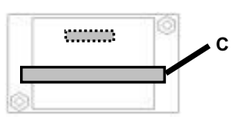
[LCD Unit]
(Rear)



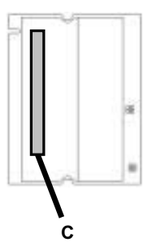
[Keyboard Unit]
(Rear)



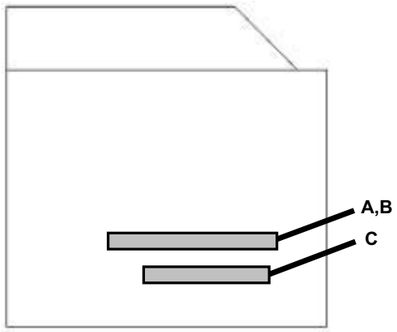
[MODEM Card]



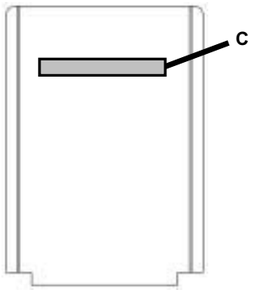
[W-LAN Card]



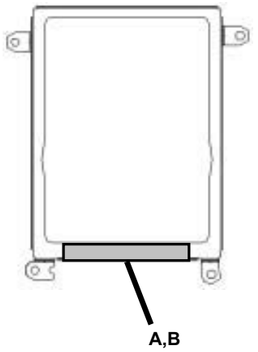
[Drive]
(Rear)



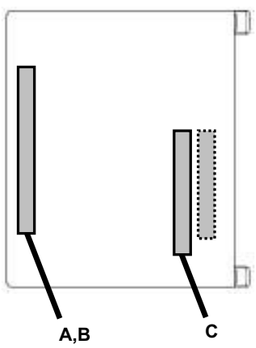
[HDD (TOSHIBA)]
(Top)



[BRACKET (HDDTO)]
(Top)



[HDD (HITACHI)]
(Top)



A : Part No.
B : Serial No.
C : Maker Barcode
D : Revision No.
E : Global User ID (iLink)
F : Mac Address

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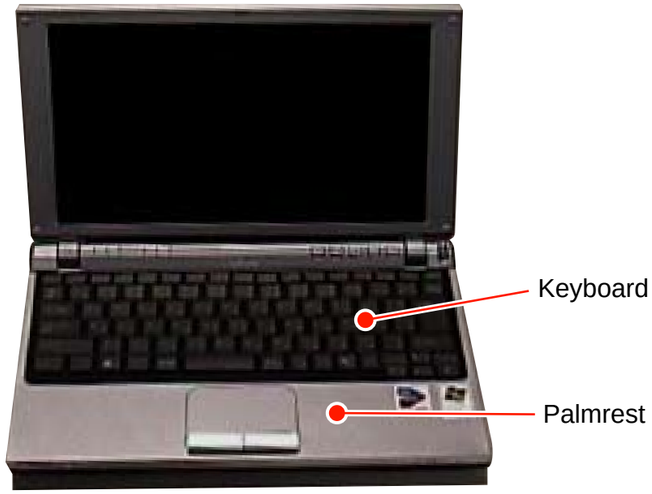
5-2. Precautions for Handling the Drive

In performing a repair, observe the following precautions.
修理の際には以下の注意事項を厳守してください。

① Do not turn the power switch on until the palmrest and the keyboard are installed completely.
① パームレストやキーボードを**完全に取り付けるまでは**電源を入れないでください。



② If the power switch is to be turned on with the set in disassembled state, be sure to load a dummy disc in the drive.
② 分解した状態で電源を入れる必要がある場合には**“必ず”**ダミーのDiscをドライブにセットしておいてください。

③ If the power switch is to be turned on with the set in disassembled state for checking the drive condition, be sure to turn the power switch on with the tray drawn out.
③ 分解した状態で電源を入れ，ドライブの状態を確認する必要がある場合には**“必ず”**トレイを引き出した状態で電源を入れてください。

Tray drawn-out state
トレイが引き出された状態

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VGN-T30B/T50B/T50PZ/T70B/T90PS/T90S (J)
VGN-T130FP/T140/T140P/T150/T150P/T160P/T170P (AM)
VGN-T1XP (EU)
VGN-T15C/T16GP/T16LP/T16SP/T17C/T17GP/T17LP/T17TP (AO)

List of VGN-T Series (As of November, 2004)

Service Manual Part No.	Model Name			
	J	AM	EU	AO
9-876-390-XX	VGN-T30B/L	VGN-T130FP/L	VGN-T1XP/L	VGN-T15C/S ☜
	VGN-T30B/T	VGN-T140/L	VGN-T1XP/T	VGN-T15C/T ☜
	VGN-T50B/L	VGN-T140P/L		VGN-T16GP/S
	VGN-T50B/T	VGN-T150/L		VGN-T16LP/S ☜
	VGN-T50PZ	VGN-T150P/L		VGN-T16SP/S
	VGN-T70B/L	VGN-T150P/T		VGN-T17C/S ☜
	VGN-T90PS*	VGN-T160P/L		VGN-T17GP/S
	VGN-T90S*	VGN-T170P/L		VGN-T17GP/T
				VGN-T17LP/S
				VGN-T17LP/T
				VGN-T17TP/S
				VGN-T17TP/T

* : CTO Model
☜ : Additional Models

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English/Japanese
2004K0500-1
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Published by Sony EMCS VAIO-GSC [N]

Revision History

Suffix	Ver.	Date	Contents	QM No.
-01	Ver. 1	2004.09.28	First Edition	
-02	Ver. 2	2004.10.08	⚠1 Front Page, Page 1-1, Page 4-1 to 4-3, Page 4-5, Page 4-7, Page 4-9 to 4-10, Back Cover	N2004_111AK
-03	Ver. 3	2004.10.18	⚠2 Front Page, Page 1-1 to 1-2, Page 4-1, Page 4-3, Page 4-5, Page 4-7, Page 4-9 to 4-10, Back Cover	N2004_116AK
-04	Ver. 4	2004.11.01	⚠3 Front Page, Page 1-1 to 1-2, Page 4-1, Page 4-3, Page 4-5, Page 4-7, Page 4-9 to 4-10, Back Cover	N2004_120AK
-05	Ver. 5	2004.11.15	⚠4 Front Page, Page 1-2, Page 4-1, Page 4-3, Page 4-5, Page 4-7, Page 4-9 to 4-10, Back Cover	N2004_128AK

<Remarks>